

REMARKS

Claims 1 to 20 are currently pending in the present application. Claims 12-20 have been added. No new matter has been added.

Claim Objections

Claim 8 is being objected to because the reference to "lamps" in the last line lacks antecedent basis. Claim 8 has been amended which should obviate this objection.

Claim 10 has been objected to because the "convex lens elements" lack antecedent basis. Claim 10 has been amended which should obviate this objection.

Claim Rejections

Claims 1, 2, 5 and 11 have been rejected under 35 U.S.C. 102(b) as being anticipated by U.S. Patent Publication 2003/0031026 to Tiesler-Witting ("Tiesler"). Claims 1, 2, and 5 include the features of each of the negative lenses defining a planar outer surface and a concave inner surface of the outer bulb, wherein the negative lenses have a size and position with respect to the light source that provides an optical reduction in size of the light source in at least one direction. Applicants respectfully point out that Tiesler does not disclose or suggest these features. Tiesler describes a pair of lenses 30 that are arranged along the outer bulb 20:

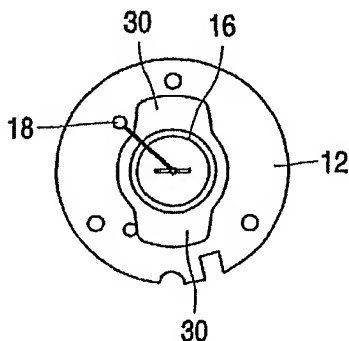


FIG. 2

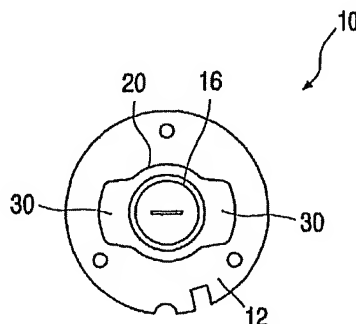
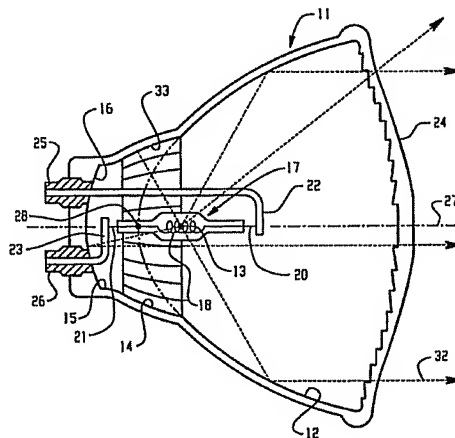


FIG. 2a

Neither of the Tielser lenses 30 disclose or suggest the claimed features of each of the negative lenses defining a planar outer surface and a concave inner surface of the outer bulb, wherein the negative lenses have a size and position with respect to the light source that provides an optical reduction in size of the light source in at least one direction.

Claim 11 includes the features of each of the negative lenses defining a planar surface and a concave surface of the outer bulb that are opposed to each other, wherein the negative lenses have a size and position with respect to the light source that provides an optical reduction in size of the light source in at least one direction. As can be seen in FIGS. 2 and 2a above, Tiesler does not disclose or suggest these claimed features.

Claim 3 has been rejected under 35 U.S.C. 103(a) as being unpatentable over Tiesler-Witting in view of U.S. Patent No. 6,252,338 to Bergman et al. Claim 3 depends from claim 1 and includes the features of each of the negative lenses defining a planar outer surface and a concave inner surface of the outer bulb, wherein the negative lenses have a size and position with respect to the light source that provides an optical reduction in size of the light source in at least one direction. As described above, Tiesler does not disclose or suggest these features. Bergman is relied upon for its description of a filament 18:

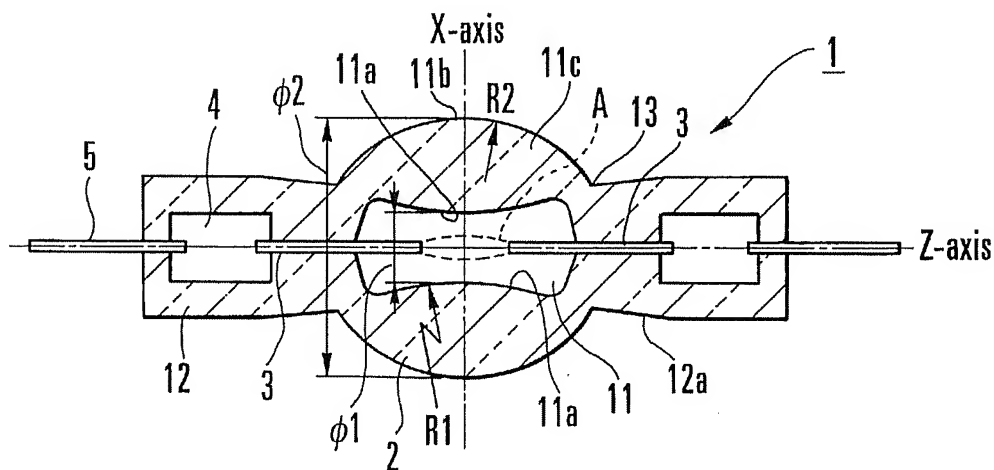


Bergman does not disclose this claimed feature. As such, Tielser alone or in combination with Bergman does not disclose or suggest the claimed feature of each of the negative lenses defining a planar outer surface and a concave inner surface of the outer bulb,

wherein the negative lenses have a size and position with respect to the light source that provides an optical reduction in size of the light source in at least one direction.

Claim 4 has been rejected under 35 U.S.C. 103(a) as being unpatentable over Tiesler-Witting in view of itself. Claim 4 depends from claim 1 and includes the features of each of the negative lenses defining a planar outer surface and a concave inner surface of the outer bulb, wherein the negative lenses have a size and position with respect to the light source that provides an optical reduction in size of the light source in at least one direction. As described above, Tiesler does not disclose or suggest these features.

Claims 6-10 have been rejected under 35 U.S.C. 103(a) as being unpatentable over Tiesler-Wittig as applied in claim 1, in view of U.S. Patent No. 6,169,367 to Muto et al. Claims 6-10 depend from claim 1 and includes the features of each of the negative lenses defining a planar outer surface and a concave inner surface of the outer bulb, wherein the negative lenses have a size and position with respect to the light source that provides an optical reduction in size of the light source in at least one direction. As described above, Tiesler does not disclose or suggest these features. Muto is relied upon for its use of lens 11c:



Muto does not disclose this claimed feature. As such, Tiesler alone or in combination with Muto does not disclose or suggest the claimed feature of each of the negative lenses defining a planar outer surface and a concave inner surface of the outer bulb, wherein the

negative lenses have a size and position with respect to the light source that provides an optical reduction in size of the light source in at least one direction.

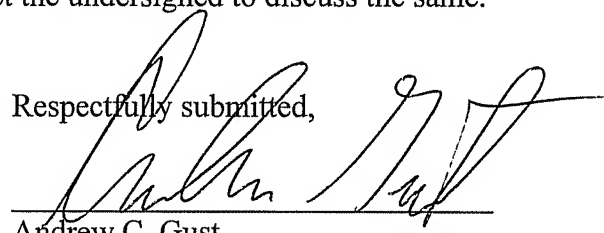
Newly added claims 12-17 depend from claim 11 and are patentable over the cited art and combination of art for the reasons described above with respect to claim 11.

Newly added claims 18-20 include the features of a bulb having at least one negative lens which extends in the direction of a longitudinal axis of the lamp, where the at least one negative lens defines a planar surface and a concave surface of the bulb that are opposed to each other, and wherein the at least one negative lens has a size and position with respect to the light source that provides an optical reduction in size of the light source in at least one direction. As described above and shown in the images above, the cited art and combination of art fail to disclose or suggest these claimed features.

In view of the foregoing, Applicants respectfully submit that the specification, the drawings and all claims presented in this application are currently in condition for allowance. Accordingly, Applicants respectfully request favorable consideration and that this application be passed to allowance. Should any changes to the claims and/or specification be deemed necessary to place the application in condition for allowance, the Examiner is respectfully requested to contact the undersigned to discuss the same.

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Respectfully submitted,



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